BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

APPROVED SCHEDULE - B

Name of work: Detailed Estimate for the Work of Improvements to Roads and Drains at Bhagathsingh Layout Kattigenahalli in Ward No.05, Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Approved Rates	
				In Figures	In Words
1	481.20	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum	126.36	Rupees One Hundred Twenty Six And Paise Thirty Six Only
2	75.60	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits, or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum	227.88	Rupees Two Hundred Twenty Seven And Paise Eighty Eight Only
3	1584.00	Removing B.S Slab of Drain and stacking with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	50.11	Rupees Fifty And Paise Eleven Only
4	1584.00	Refixing stone slabs of drains and pointing in C.M (1:3) with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	70.04	Rupees Seventy And Paise Four Only
5	396.00	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete - do- 7.5 cms thick with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	**Sqm**	343.44	Rupees Three Hundred Forty Three And Paise Forty Four Only
6	11.70	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	**Cum**	4290.84	Rupees Four Thousand Two Hundred Ninety And Paise Eighty Four Only
7	21.60	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum	3549.96	Rupees Three Thousand Five Hundred Forty Nine And Paise Ninety Six Only

Sl. No.	Approved Qty.	Description	Unit	Approved Rates	
				In Figures	In Words
8	18.00	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	4227.12	Rupees Four Thousand Two Hundred Twenty Seven And Paise Twelve Only
9	46.20	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	244.08	Rupees Two Hundred Forty Four And Paise Eight Only
10	6.40	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix **M10** withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum	4737.96	Rupees Four Thousand Seven Hundred Thirty Seven And Paise Ninety Six Only
11	15.18	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum	5639.76	Rupees Five Thousand Six Hundred Thirty Nine And Paise Seventy Six Only
12	9.11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Qtl	7380.72	Rupees Seven Thousand Three Hundred Eighty And Paise Seventy Two Only
13	32.00	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	79.92	Rupees Seventy Nine And Paise Ninety Two Only

Sl. No.	Approved Qty.	Description	Unit	Approved Rates	
				In Figures	In Words
14	540.00	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum	1121.04	Rupees One Thousand One Hundred Twenty One And Paise Four Only
15	3600.00	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm	100.60	Rupees One Hundred And Paise Sixty Only
16	90.00	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum	9631.44	Rupees Nine Thousand Six Hundred Thirty One And Paise Forty Four Only
17	556.80	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum	67.32	Rupees Sixty Seven And Paise Thirty Two Only

I am prepared to execute the above mentioned work written by me in Schedule - B

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Contractor Signature
Reg. No.
Postal Address

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore